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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNET BOCKET NO.	CONTRIMATION NO.
10/574,763	04/05/2006	Franciscus Adrianus Cornelis Maria Schoofs	NL031195US1	2525
65913 NXP, B.V.	7590 09/21/2007		EXAMINER	
NXP INTELLE	ECTUAL PROPERTY	HANNON, CHRISTIAN A		
M/S41-SJ 1109 MCKAY	DRIVE		ART UNIT	PAPER NUMBER
SAN JOSE, CA	A 95131		2618	
•			NOTIFICATION DATE	DELIYERY MODE
			09/21/2007	ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

ip.department.us@nxp.com

		Application No.	Applicant(s)				
Office Action Summary		10/574,763	SCHOOFS ET AL.				
		Examiner	Art Unit				
		Christian A. Hannon	2618				
	The MAILING DATE of this communication app						
Period fo							
WHIC - Exter after - If NO - Failu Any	ORTENED STATUTORY PERIOD FOR REPLY CHEVER IS LONGER, FROM THE MAILING DANSIONS of time may be available under the provisions of 37 CFR 1.13 SIX (6) MONTHS from the mailing date of this communication. Period for reply is specified above, the maximum statutory period were to reply within the set or extended period for reply will, by statute, reply received by the Office later than three months after the mailing ed patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICAT 36(a). In no event, however, may a reply by rill apply and will expire SIX (6) MONTHS cause the application to become ABAND	TION. be timely filed from the mailing date of this communication. ONED (35 U.S.C. § 133).				
Status		•	•				
1)⊠	Responsive to communication(s) filed on <u>05 Ap</u>	<u>oril 2006</u> .					
2a) <u></u> □	This action is FINAL . 2b)⊠ This action is non-final.						
3)	3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is						
	closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.						
Dispositi	on of Claims						
4)🛛	Claim(s) 1-19 is/are pending in the application.						
	4a) Of the above claim(s) is/are withdrawn from consideration.						
5)	5) Claim(s) is/are allowed.						
	Claim(s) <u>1-4,12,13,16 and 18</u> is/are rejected.		·				
·	7) Claim(s) <u>5-11,14,15,17 and 19</u> is/are objected to.						
8)	8) Claim(s) are subject to restriction and/or election requirement.						
Applicati	ion Papers						
9)[The specification is objected to by the Examine	r.					
10) The drawing(s) filed on $\frac{4/5/66}{}$ is/are: a) accepted or b) objected to by the Examiner.							
	Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).							
11)	The oath or declaration is objected to by the Ex	aminer. Note the attached Of	fice Action or form PTO-152.				
Priority (under 35 U.S.C. § 119						
12)⊠ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a)⊠ All b)□ Some * c)□ None of:							
1. Certified copies of the priority documents have been received.							
2. Certified copies of the priority documents have been received in Application No							
3.⊠ Copies of the certified copies of the priority documents have been received in this National Stage							
	application from the International Bureau (PCT Rule 17.2(a)).						
* See the attached detailed Office action for a list of the certified copies not received.							
Attachmen	.t(s)						
1) Notice of References Cited (PTO-892) 4) Interview Summary (PTO-413)							
2) Notic	te of Draftsperson's Patent Drawing Review (PTO-948) mation Disclosure Statement(s) (PTO/SB/08)	Paper No(s)/Mail Date 5) Notice of Informal Patent Application					
. —	er No(s)/Mail Date <u>4/4/2006</u> .	6) Other:					

DETAILED ACTION

Information Disclosure Statement

1. The information disclosure statement (IDS) submitted on 4/4/2006 is being considered by the examiner.

Claim Rejections - 35 USC § 103

- 2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 3. Claims 1, 12, 13, 16 & 18 are rejected under 35 U.S.C. 103(a) as being unpatentable over Cioffi (US 6,781,452), hereinafter Cioffi.

Regarding claims 1, 16 & 18, Cioffi teaches a transmitter, method and system comprising a power amplifier having a power supply input and an output for supplying a transmission signal with an output power (Figure 6, Item 601), a power supply having power supply outputs for supplying a first power supply voltage having a first level and a second power supply voltage having a second level (Figure 6, V_{batt}, three way node of figure 6; Cioffi), a switching circuit arranged between the power supply outputs and the power supply input (Figure 6, Q1, Q2, Q3; Cioffi) and a controller for supplying in response to a first power change command indicating a first desired level of the output power a control signal to the switching circuit to supply the first power supply voltage to the power supply input and for supplying in response to a second power change

command indicating a second desired level of the output power and succeeding the first power change command the control signal to the switching circuit to supply either the first power supply voltage or the second power supply voltage to the amplifier power supply input depending on values of said first desired level and said second desired level, the examiner has interpreted the two stages of the claim to be analogous as the two stages of power control when the final stage of the amplifier of figure 6 is either turned on or off based on the switching control signals sent from the controller 611 and power controller 615 (Column 5, Lines 4-36; Cioffi). However Cioffi fails to explicitly teach that the second level is higher than the first, although one of ordinary skill in the art would be able to see that since Cioffi teaches a high and a low power state, that obviously one fully connected, that is switched on power state, would be higher than a state in which only some of the leads to the PA were activated. It is further noted that as claim 18 recites the base station in the preamble of the claim it has not been give weight in evaluation of the claim, as the claim does not require the preamble to be effective.

Regarding claim 12, Cioffi teaches claim 1, wherein the power supply is arranged for supplying a third power supply voltage having a third level, and wherein the controller is arranged for dynamically controlling the power supply to supply the second level which is higher than the first level, and the third level which is lower than the first level. The examiner has construed the three levels as those of the high and low power modes of Cioffi and the third level depending on whether or not Q3 is switched on or off,

obvious to one of ordinary skill in the art these levels could be arranged in any order merely based on designer choice (Column 5, Lines 13-20 & 29-31; Cioffi).

Regarding claim 13, Cioffi teaches claim 12, wherein the controller is arranged for controlling the switching circuit to supply either the first power supply voltage the second power supply voltage or the third power supply voltage to the amplifier power supply input depending on whether the second power change command indicates that the output power has to be stable, to increase or to decrease, respectively. Obvious to one of ordinary skill in the art these levels could be arranged in any order merely based on designer choice (Column 5, Lines 13-20 & 29-31; Cioffi).

4. Claim 2 is rejected under 35 U.S.C. 103(a) as being unpatentable over Cioffi in view of Klomsdorf et al (US 7,151,947), hereinafter Klomsdorf.

Regarding claim 2, Cioffi teaches claim 1, however Cioffi fails to teach wherein the transmitter is a handheld apparatus and further comprises a receiving circuit for receiving a power control command from a base station to supply the first power change command and the second power change command. Klomsdorf teaches wherein a transmitter is a handheld apparatus, a mobile station/phone, and further comprises a receiving circuit for receiving a power control command from a base station to supply the first power change command and the second power change command (Column 3, Lines 20-24; Column 4, Lines 57-67; Klomsdorf). Therefore it would be obvious to one of ordinary skill in the art to modify Cioffi in order to be controlled by a base station so that when transmitting near other base stations noise is minimized.

Allowable Subject Matter

5. Claims 3-11, 14, 15, 17 & 19 objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Regarding claims 3, 17 & 19, Cioffi teaches the transmitter, method & system of claims 1, 16 & 18, however Cioffi fails to teach where operation is based on time slots and the first power change command indicates a value of the output power required during a time slot starting after an instant of occurrence of the first power change command, and wherein the second power change command indicates a value of the output power required during a next time slot succeeding the first mentioned time slot and starting after an instant of occurrence of the second power change command.

Regarding claim 14, Cioffi teaches claim 12, however Cioffi fails to teach wherein the controller is arranged for controlling the switching circuit to supply either the second power supply voltage or the third power supply voltage to the amplifier power supply input if the output power has to be changed and the power supply to only adapt the second level or the third level depending on whether the second level or the third level has the largest difference from a level of a power supply voltage supplied to the amplifier power supply input.

Regarding claim 15, Cioffi teaches claim 12, however Cioffi fails to teach wherein the controller is adapted for controlling the switching circuit to supply either the second power supply voltage or the third power supply voltage to the amplifier power supply

input if the output power has to be changed and the power supply to adapt the first level and the third level if the second power supply voltage is supplied to the amplifier power supply input wherein the first level is controlled for exceeding the second level or the first level and the second level if the third power supply voltage is supplied to amplifier power supply input wherein the first level is controlled for exceeding the third level.

Double Patenting

6. Claims are provisionally rejected on the ground of nonstatutory obviousness-type double patenting as being unpatentable over claims 1,3,5 of copending Application No. 10/550,340. Although the conflicting claims are not identical, they are not patentably distinct from each other because:

Regarding claim 1, in view of the copending application's claim 1, both claims recite subject matter directed towards a transmitter comprising a power amplifier a power supply and a switching circuit along with a controller arrangement.

Regarding claim 2, in view of the copending application's claim 2, both claims recite subject matter requiring a transmitter as a handheld apparatus with a receiving circuit.

Regarding claim 3, in view of the copending application's claim 3, both claims recite transmission based on time slots.

Regarding claim 4, in view of the copending application's claim 4, both claims recite language for adapting controlling the power supply to supply at a particular time slot.

This is a <u>provisional</u> obviousness-type double patenting rejection because the conflicting claims have not in fact been patented.

Conclusion

7. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Adachi (US 5,903,193) discloses an amplifying device and transmission output control apparatus.

Akiya (US 2001/0010483) discloses a radio frequency transmitting circuit.

Durtler et al (US 5,438,683) disclose an automatic level control circuit for dual mode analog/digital cellular telephones.

8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Christian A. Hannon whose telephone number is (571) 272-7385. The examiner can normally be reached on Mon. - Fri. 8:00 AM - 4:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ed Urban can be reached on (571) 272-7899. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Application/Control Number: 10/574,763

Art Unit: 2618

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

C. A. Hannon

September 5, 2007

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